



SEQUENCE LISTING

*Sub 6*  
<110> KLIEWER, Steven A.  
JONES, Stacey A.  
WILLSON, Timothy M.

<120> AN ORPHAN NUCLEAR RECEPTOR

<130> 510-125

<140> 09/276,935

<141> 1999-03-26

<150> 60/079,593

<151> 1998-03-27

<160> 14

<170> PatentIn Ver. 2.0

<210> 1

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: DNA genome

<400> 1

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20

<210> 2

<211> 45

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: DNA genome

<400> 2

gggtgtgggg aatccaccac catggaggtg agacccaaag aaagc

45

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<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: DNA genome

<400> 3

gggtgtgggg gatcctcagc tacctgtgat gccg

34

<210> 4

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: DNA genome

<400> 4  
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 gatcaatatg aactcaaagg aggtcagtg 29  
  
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 <211> 29  
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 gatcaatatg ttctcaaagg agaacagtg 29  
  
 <210> 8  
 <211> 29  
 <212> DNA  
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 <223> Description of Artificial Sequence: DNA genome  
  
 <400> 8  
 gatcaataac aactcaaagg aggtcagtg 29  
  
 <210> 9  
 <211> 32  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: DNA genome  
  
 <400> 9  
 gatgcagaca gttcatgaag ttcatctaga tc 32  
  
 <210> 10  
 <211> 11  
 <212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Protein

<400> 10

Met Lys Lys Gly His His His His His His Gly  
1 5 10

<210> 11

<211> 316

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Protein

<400> 11

Met Lys Lys Gly His His His His His His Gly Ser Glu Arg Thr Gly  
1 5 10 15  
Thr Gln Pro Leu Gly Val Gln Gly Leu Thr Glu Glu Gln Arg Met Met  
20 25 30  
Ile Arg Glu Leu Met Asp Ala Gln Met Lys Thr Phe Asp Thr Thr Phe  
35 40 45  
Ser His Phe Lys Asn Phe Arg Leu Pro Gly Val Leu Ser Ser Gly Cys  
50 55 60  
Glu Leu Pro Glu Ser Leu Gln Ala Pro Ser Arg Glu Glu Ala Ala Lys  
65 70 75 80  
Trp Ser Gln Val Arg Lys Asp Leu Cys Ser Leu Lys Val Ser Leu Gln  
85 90 95  
Leu Arg Gly Glu Asp Gly Ser Val Trp Asn Tyr Lys Pro Pro Ala Asp  
100 105 110  
Ser Gly Gly Lys Glu Ile Phe Ser Leu Leu Pro His Met Ala Asp Met  
115 120 125  
Ser Thr Tyr Met Phe Lys Gly Ile Ile Ser Phe Ala Lys Val Ile Ser  
130 135 140  
Tyr Phe Arg Asp Leu Pro Ile Glu Asp Gln Ile Ser Leu Leu Lys Gly  
145 150 155 160  
Ala Ala Phe Glu Leu Cys Gln Leu Arg Phe Asn Thr Val Phe Asn Ala  
165 170 175  
Glu Thr Gly Thr Trp Glu Cys Gly Arg Leu Ser Tyr Cys Leu Glu Asp  
180 185 190  
Thr Ala Gly Gly Phe Gln Gln Leu Leu Leu Glu Pro Met Leu Lys Phe  
195 200 205  
His Tyr Met Leu Lys Lys Leu Gln Leu His Glu Glu Glu Tyr Val Leu  
210 215 220

Met Gln Ala Ile Ser Leu Phe Ser Pro Asp Arg Pro Gly Val Leu Gln  
 225 230 235 240

His Arg Val Val Asp Gln Leu Gln Glu Gln Phe Ala Ile Thr Leu Lys  
 245 250 255

Ser Tyr Ile Glu Cys Asn Arg Pro Gln Pro Ala His Arg Phe Leu Phe  
 260 265 270

Leu Lys Ile Met Ala Met Leu Thr Glu Leu Arg Ser Ile Asn Ala Gln  
 275 280 285

His Thr Gln Arg Leu Leu Arg Ile Gln Asp Ile His Pro Phe Ala Thr  
 290 295 300

Pro Leu Met Gln Glu Leu Phe Gly Ile Thr Gly Ser  
 305 310 315

<210> 12

<211> 242

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Protein

<400> 12

Met Lys Lys Gly Ser Ala Asn Glu Asp Met Pro Val Glu Arg Ile Leu  
 1 5 10 15

Glu Ala Glu Leu Ala Val Glu Pro Lys Thr Glu Thr Tyr Val Glu Ala  
 20 25 30

Asn Met Gly Leu Asn Pro Ser Ser Pro Asn Asp Pro Val Thr Asn Ile  
 35 40 45

Cys Gln Ala Ala Asp Lys Gln Leu Phe Thr Leu Val Glu Trp Ala Lys  
 50 55 60

Arg Ile Pro His Phe Ser Glu Leu Pro Leu Asp Asp Gln Val Ile Leu  
 65 70 75 80

Leu Arg Ala Gly Trp Asn Glu Leu Leu Ile Ala Ser Phe Ser His Arg  
 85 90 95

Ser Ile Ala Val Lys Asp Gly Ile Leu Leu Ala Thr Gly Leu His Val  
 100 105 110

His Arg Asn Ser Ala His Ser Ala Gly Val Gly Ala Ile Phe Asp Arg  
 115 120 125

Val Leu Thr Glu Leu Val Ser Lys Met Arg Asp Met Gln Met Asp Lys  
 130 135 140

Thr Glu Leu Gly Cys Leu Arg Ala Ile Val Leu Phe Asn Pro Asp Ser  
 145 150 155 160

Lys Gly Leu Ser Asn Pro Ala Glu Val Glu Ala Leu Arg Glu Lys Val  
 165 170 175

Tyr Ala Ser Leu Glu Ala Tyr Cys Lys His Lys Tyr Pro Glu Gln Pro  
 180 185 190  
 Gly Arg Phe Ala Lys Leu Leu Leu Arg Leu Pro Ala Leu Arg Ser Ile  
 195 200 205  
 Gly Leu Lys Cys Leu Glu His Leu Phe Phe Phe Lys Leu Ile Gly Asp  
 210 215 220  
 Thr Pro Ile Asp Thr Phe Leu Met Glu Met Leu Glu Ala Pro His Gln  
 225 230 235 240

Met Thr

<210> 13  
 <211> 2146  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: DNA genome

<400> 13  
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 aagtgttcac agtgagaaaa gcaagagaat aagcttaatac tcctgtcctg aacaaggcag 180  
 cggctccttg gtaaagctac tccttgatcg atcctttgca ccggattgtt caaagtggac 240  
 cccaggggag aagtcggagc aaagaactta ccaccaagca gtccaagagg cccagaagca 300  
 aacctggagg tgagacccaa agaaagctgg aacctatgctg actttgtaca ctgtgaggac 360  
 acagagtctg ttcctggaaa gccagtgctg aacgcagatg aggaagtcgg aggtccccc 420  
 atctgccgtg tatgtgggga caaggccact ggctatcact tcaatgtcat gacatgtgaa 480  
 ggatgcaagg gctttttcag gagggccatg aaacgcaacg cccggctgag gtgccccttc 540  
 cggaagggcg cctgcgagat caccgggaag acccggcgac agtgccaggc ctgccgcctg 600  
 cgcaagtgcc tggagagcgg catgaagaag gagatgatca tgtccgacga ggccgtggag 660  
 gagaggcggg ccttgatcaa gcggaagaaa agtgaacgga cagggaactca gccactggga 720  
 gtgcaggggg tgacagagga gcagcggatg atgatcaggg agctgatgga cgctcagatg 780  
 aaaacctttg acactacctt ctcccatttc aagaatttcc ggctgccagg ggtgcttagc 840  
 agtggctgcg agttgccaga gtctctgcag gcccacatcg ggaagaagc tgccaagtgg 900  
 agccaggtcc ggaagatct gtgctctttg aaggtctctc tgcagctgcg gggggaggat 960  
 ggcagtgtct ggaactacaa acccccagcc gacagtggcg ggaagagat cttctccctg 1020  
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 gtcatctcct acttcaggga cttgcccatc gaggaccaga tctccctgct gaagggggcc 1140  
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 cgctgtgtgg accagctgca ggagcaattc gccattactc tgaagtccca cattgaatgc 1440  
 aatcgggccc agcctgctca taggttcttg ttctgaaga tcatggctat gctcaccgag 1500  
 ctccgcagca tcaatgctca gcacaccag cggtctgctg gcatccagga catacacc 1560  
 tttgtacgc cctcatgca ggagttgttc ggcatcacag gtagctgagc ggctgccctt 1620  
 gggtagacac tccgagaggc agccagacc agagccctct gagcggccac tcccgggcca 1680  
 agacagatgg acactgccaa gagccgacaa tgccctgctg gcctgtctcc ctagggaatt 1740  
 cctgctatga cagctggcta gcattcctca ggaaggacat ggggtgcccc cacccccagt 1800  
 tcagtctgta gggagtgaag ccacagactc ttacgtggag agtgcaactga cctgtaggtc 1860  
 aggaccatca gagaggcaag gttgcccttt ccttttaaaa ggccctgtgg tctggggaga 1920  
 aatccctcag atccactaa agtgtcaagg tgtgggaagg accaagcgac caaggatagg 1980  
 ccattctggg tctatgcca cataccacg tttgttcgct tctgagttc ttctattgct 2040  
 acctctaata gtctgtctc ccacttccca ctctgtcccc tctcttccg agctgctttg 2100  
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<210> 14  
 <211> 414  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Protein

<400> 14  
 Leu Glu Val Arg Pro Lys Glu Ser Trp Asn His Ala Asp Phe Val His  
 1 5 10 15  
 Cys Glu Asp Thr Glu Ser Val Pro Gly Lys Pro Ser Val Asn Ala Asp  
 20 25 30  
 Glu Glu Val Gly Gly Pro Gln Ile Cys Arg Val Cys Gly Asp Lys Ala  
 35 40 45  
 Thr Gly Tyr His Phe Asn Val Met Thr Cys Glu Gly Cys Lys Gly Phe  
 50 55 60  
 Phe Arg Arg Ala Met Lys Arg Asn Ala Arg Leu Arg Cys Pro Phe Arg  
 65 70 75 80  
 Lys Gly Ala Cys Glu Ile Thr Arg Lys Thr Arg Arg Gln Cys Gln Ala  
 85 90 95  
 Cys Arg Leu Arg Lys Cys Leu Glu Ser Gly Met Lys Lys Glu Met Ile  
 100 105 110  
 Met Ser Asp Glu Ala Val Glu Glu Arg Arg Ala Leu Ile Lys Arg Lys  
 115 120 125  
 Lys Ser Glu Arg Thr Gly Thr Gln Pro Leu Gly Val Gln Gly Leu Thr  
 130 135 140  
 Glu Glu Gln Arg Met Met Ile Arg Glu Leu Met Asp Ala Gln Met Lys  
 145 150 155 160  
 Thr Phe Asp Thr Thr Phe Ser His Phe Lys Asn Phe Arg Leu Pro Gly  
 165 170 175  
 Val Leu Ser Ser Gly Cys Glu Leu Pro Glu Ser Leu Gln Ala Pro Ser  
 180 185 190  
 Arg Glu Glu Ala Ala Lys Trp Ser Gln Val Arg Lys Asp Leu Cys Ser  
 195 200 205  
 Leu Lys Val Ser Leu Gln Leu Arg Gly Glu Asp Gly Ser Val Trp Asn  
 210 215 220  
 Tyr Lys Pro Pro Ala Asp Ser Gly Gly Lys Glu Ile Phe Ser Leu Leu  
 225 230 235 240  
 Pro His Met Ala Asp Met Ser Thr Tyr Met Phe Lys Gly Ile Ile Ser  
 245 250 255  
 Phe Ala Lys Val Ile Ser Tyr Phe Arg Asp Leu Pro Ile Glu Asp Gln  
 260 265 270

Ile	Ser	Leu	Leu	Lys	Gly	Ala	Ala	Phe	Glu	Leu	Cys	Gln	Leu	Arg	Phe	275	280	285
Asn	Thr	Val	Phe	Asn	Ala	Glu	Thr	Gly	Thr	Trp	Glu	Cys	Gly	Arg	Leu	290	295	300
Ser	Tyr	Cys	Leu	Glu	Asp	Thr	Ala	Gly	Gly	Phe	Gln	Gln	Leu	Leu	Leu	305	310	315
Glu	Pro	Met	Leu	Lys	Phe	His	Tyr	Met	Leu	Lys	Lys	Leu	Gln	Leu	His	325	330	335
Glu	Glu	Glu	Tyr	Val	Leu	Met	Gln	Ala	Ile	Ser	Leu	Phe	Ser	Pro	Asp	340	345	350
Arg	Pro	Gly	Val	Leu	Gln	His	Arg	Val	Val	Asp	Gln	Leu	Gln	Glu	Gln	355	360	365
Phe	Ala	Ile	Thr	Leu	Lys	Ser	Tyr	Ile	Glu	Cys	Asn	Arg	Pro	Gln	Pro	370	375	380
Ala	His	Arg	Phe	Leu	Phe	Leu	Lys	Ile	Met	Ala	Met	Leu	Thr	Glu	Phe	385	390	395
Ala	Thr	Pro	Leu	Met	Gln	Glu	Leu	Phe	Gly	Ile	Thr	Gly	Ser			405	410	